ARCHIVES of PHYSICAL THERAPY

(INCORPORATING PHYSICAL THERAPEUTICS)

with

International Abstract

OFFICIAL JOURNAL AMERICAN CONGRESS OF PHYSICAL THERAPY EDITED BY DISRAELI KOBAK, M.D.

VOLUME XX — January-December, 1939, Inclusive

OFFICERS OF THE AMERICAN CONGRESS OF PHYSICAL THERAPY

EXECUTIVE AND EDITORIAL OFFICES 30 NORTH MICHIGAN AVENUE, CHICAGO

BOARD OF GOVERNORS

President - William H. Schmidt	Philadelphia
President-Elect - Nathan H. Polmer.	New Orleans
First Vice-President - Fred B. Moor.	Los Angeles
Second Vice-President - Kristian G. Hansson	New York
Third Vice-President - Miland E. Knapp	
Fourth Vice-President - Walter S. McClellan	Saratoga Springs, N. Y.
Fifth Vice-President - Walter J. Zeiter	
Secretary — Richard Kovács	
Treasurer - John Stanley Coulter	Chicago
Executive Director — A. R. Hollender	
Executive Secretary - Marion G. Smith	Chicago

EXECUTIVE COUNCIL

Frank H. Krusen, Rochester, Minn., Chairman. Norman E. Titus, New York, Secretary. William Bierman, New York. John Stanley Coulter, Chicago. James C. Elsom, Madison, Wisconsin. Frank H. Ewerhardt, St. Louis. Roy W. Fouts, Omaha.

John Severy Hibben, Pasadena.
Disraeli Kobak, Chicago.
Gustav Kolischer, Chicago.
Albert Frank Tyler, Omaha.
Frederick L. Wahrer, Marshalltown, Iowa.
Frank H. Walke, Shreveport, La.
William H. Schmidt, Philadelphia, Ex-Officio.

REGIONAL OFFICERS

EASTERN SECTION-Chairman, B. S. Troedsson, New York; Secretary, A. A. Martucci, Abington Memorial Hospital, Abington, Pa.

MID-WESTERN SECTION - Chairman, Mi-MID-WESTERN SECTION — Chairman, Miland E. Knapp, Minneapolis; Secretary, Milton Schmitt, 3821 Washington Blvd., Chicago.

WESTERN SECTION — Chairman, John S. Hibben, Pasadena; Secretary, Frances Baker, 3rd and Parnassus Ave., San Francisco, Calif.

SOUTHERN SECTION — Euclid Smit Springs National Park, Hot Springs, Ark. Euclid Smith, Hot

SOUTHEASTERN SECTION — Chairman, Earl C. MacCordy, St. Petersburg, Fla.; Secretary, Kenneth Phillips, 1150 Coral Way, Miami, Fla.

PUBLICATION COMMITTEE

DISRAELI KOBAK, A. R. HOLLENDER, ALBERT F. TYLER, M. C. L. McGUINNESS, RICHARD KOVÁCS, WM. H. SCHMIDT, FRANK H. KRUSEN

JOURNALS ABSTRACTED IN THE INTERNATIONAL ABSTRACT SECTION — JANUARY - DECEMBER, 1939

Abstracts of important articles in the following journals have been made in the International Abstract Section of the Archives during the past year.

Acta radiologica. Stockholm, American Heart Journal. St. Louis,

American Journal of Diseases of Children. Chicago.

American Journal of the Medical Sciences. Philadelphia.

American Journal of Obstetrics and Gynecology, St. Louis.

St. Louis,

American Journal of Ophthalmology. St. Le American Journal of Physiology. Baltimore. American Journal of Psychiatry. New York. American Journal of Surgery. New York.

American Journal of Syphilis, Gonorrhea and Venereal Diseases. St. Louis. American Review of Tuberculosis. New York.

Annales de l'Institut d'actinologie. Paris. Annals of Internal Medicine. Lancaster, Pa. Archives of Dermatology and Syphilology. Chi-

cago. Archives of Ophthalmology. Chicago. Archives of Otolaryngology. Chicago.

Archives of Surgery, Chicago, Archives of Surgery, Chicago, Australian Journal of Experimental Biology and Medical Science, Adelaide, Australia, British Journal of Dermatology and Syphilis,

London.

British Journal of Physical Medicine. London. British Medical Journal. London.

Bruns' Beiträge zur klinischen Chirurgie. Berlin. Canadian Medical Association Journal. Cleveland Clinic Quarterly. Cleveland. Montreal.

Fortsehritte auf dem Gebiete der Roentgenstrahlen. Leipsic. Hospitals. Chicago.

Illinois Medical Journal. Chicago,

Journal of the American Medical Association. Chicago

Journal of the Arkansas Medical Society Fort Smith.

Journal of Clinical Investigation. New York. Journal of the Connecticut State Medical Society. Hartford, Conn.

Journal of Industrial Hygiene and Toxicology. Baltimore

Journal of the Iowa State Medical Society. Des Moines

Journal of Laboratory and Clinical Medicine. St. Louis.

Journal of the Medical Association of the State of Georgia. Atlanta.

Journal of the Medical Society of New Jersey. Trenton.

Journal of the Michigan State Medical Society. Lansing, Mich.

Journal of the Missouri State Medical Association. St. Louis.

Journal of Physiology. London. Journal de radiologie et d'électrologie. Paris. Journal of Tennessee State Medical Association. Nashville.

Journal of Urology. Baltimore. Klinische Wochenschrift, Berlin, Lancet, London,

Laryngoscope. St. Louis.

Medical Bulletin of the Veterans' Administration. Washington, D. C.

Medicine. Baltimore. Medizinische Welt. Berlin. Minnesota Medicine. St. P St. Paul. Modern Hospital. Chicago.

New Orleans Medical and Surgical Journal. New Orleans.

New York State Journal of Medicine. New York. Northwest Medicine. Seattle, Wash.

Ophthalmologica. Basel.

Pennsylvania Medical Journal. Harrisburg.

Practitioner. London. Presse Médicale. Paris.

Proceedings of the Royal Society of Medicine. London.

Proceedings of Staff Meetings, Mayo Clinic, Rochester, Minn,

Rocky Mountain Medical Journal. Denver, Colo. Southern Medical Journal. Birmingham, Ala. Strahlentherapie. Berlin.

Surgery, Gynecology and Obstetrics. Chicago. Texas State Journal of Medicine. Fort Worth. Tri-State Medical Journal. Shreveport, La.

Ugeskrift for laeger. Copenhagen, United States Naval Medical Bulletin. Washing-

ton. Urologic and Cutaneous Review. St. Louis. West Virginia Medical Journal. Charleston.

Wisconsin Medical Journal, Madison,

SUBJECT INDEX

This is an index to all published articles, abstracts, clinics, correspondence, editorials, and book reviews, in the Archives for the year 1939. In this index the star (*) indicates an original article in the Archives; "ab," abstract; "C," correspondence; "E," editorial. One should look for the subject word with the following exceptions: "Book Reviews" and "Deaths" are indexed under these titles at the end of the letters "B," "D." The name of the author, in brackets, follows the subject entry.

...

For author index see page 778.

AIR: Conditioning in Hospitals [Yaglou] 57-ab Sterilization in Operating Room [Hart] 249-

ab, 379-ab, 440-E ANNUAL CONVENTION: Of Congress, 305-

ARTHRITIS: And Vascular Disease, Iontophoresis in [Kiel] 451-ab

Atrophic, Gastrointestinal Therapy in [Goldfain] *357

Chronic, Relation to Colon Disease [Fishbaugh] *411

Osteal, and Peripheral Circulatory Disturbance [Kling] 715-ab

Problem of [Weinstein] 635-ab

Rheumatoid, Orthopedics in [Capener] 121—ab Treatment with Mecholyl [Boyd, Osborne, and Markson] *406
ARTIFICIAL FEVER: See Hyperpyrexia.
ASTHMA: Bronchial [Rowe] 378—ab ATROPHY: Post-Traumatic, of Joints [Ghorm-lev] *725

AUTOVACCINE: Produced by Tonsillar Elec-trocoagulation [Seltzer] 124—ab AWARDS: Of Merit, by Congress 577—E

BATH: Paraffin, Clinical Application of [Zeiter] *479

Sitz, in Genitourinary Diseases [Ferguson] *508 Whirlpool, Portable [Emerson] 671 BED SORES: Prevention and Treatment of

Cope	589—ab	
BLOOD: Alteration Causing Normal Bone Calcification	Blair	587—ab
Supply of Skin Areas	Hertzman	588—ab
BURSITIS: Subdeltoid	McIlhenny	250—ab

BOOK REVIEWS

Adams, F. The Genuine Works of Hippocrates, 518

Anatomy, Gross, 584 Anatomy, Surface, 711 Andrews, G. C. Diseas Anesthesia, 769.

Diseases of the Skin, 311

Appliances, Orthopedic, 520 Artificial Fever. Künstliche Fiebererzeugung, 446 Autobiography. Phelps', 586

Bardon, C. Ondes Electromagnetiques en Médicine, 309

cine, 309
Beaumont, William. Life and Letters of, 709
Beaumont, W. Infra-red Irradiation, 373
Benade, Moore, Schlamme, Erden, 373
Beutner, R. Life's Beginning on Earth, 518
Blech, G. M. Clinical Electrosurgery.
Bradley, Doctor, Remembers, 53
Brickel, A. C. J. Surgical Treatment of Hand and
Forearm Infections, 712
Buckley, C. W. Chronic Rheumatic Diseases, 118

Buckley, C. W. Chronic Rheumatic Diseases, 118

Cancer, Symposium on, 634

Captivity, to Fame, 55 Carpenter, C. I. A Practical Guide to Massage,

Chavasse, F. B. Worth's Squint, and Treatment of Strabismus, 447 Coward, K. H. Biological Standardization of

Vitamins, 118

Delario, A. J. Handbook of Roentgen and Radium

Therapy, 56

De Lee, J. The 1938 Year Book of Obstetrics and Gynecology, 374

Diagnosis, X-Ray, 310

Dick, G. F. The 1938 Year Book of General

Medicine, 118

Dictionary, American Illustrated Medical, 55 Disease, Internal, and Trauma, 446 Dogliotti, A. M. Anesthesia, 769 Dorland, W. A. N. The American Illustrated Medical Dictionary, 55

Education, of the Handicapped, 518

Education, Physical, 447 Elektrodiagnostik, 309 Electrosurgery, Clinical, 53 Encephalitis, Epidemic, 585 Enzymes, Crystalline, 584

Ewalt, J. R. Fever Therapy Technique, 633

Exercise, in the Bath, 583 Exercise, Physiology of, 310

Feet, Oh, Doctor! My, 245

Fever, and Psychoses, 445 Fever Therapy, Technique, 633 Fisher, A. G. Timbrell. Treatment by Manipulation, 710

Fractures, in Practice, 374 Fractures, Management of, 311 Fractures, Treatment of, 246

Frampton, M. E. Education of the Handicapped,

Gastroenterology, Clinical, 584 George, W. H. The Scientist in Action, 583 Graham E. A. The 1938 Year Book of General

Surgery, 119 Greenhill, J. P. Office of Gypecology, 585 Gynecology, Office, 585

Heart Patients,

Henle, Jacob, 374 Hill, L. The Rheumatic Diseases, 182 Hippocrates' Works, 518

Hosford, J. Fractures and Dislocations in Gen-eral Practice, 374

Howell, A. B. Gross Anatomy, 584

Immunity, Pfinciples of, 375 Infection, Katarrh Infektion, 585 Infections, Surgical of Hand, 712

Jönsson, G. Malignant Tumors, 183 Jordan, H. H. Orthopedic Appliances, 520

Kaplan, Ira I. A Photographic Atlas for X-Ray Therapy, 712 Karsner, T. H. Human Pathology, 55 Kovács, R. The 1939 Year Book of Physical Medicine, 633

Kreyberg, L. A. Symposium on Cancer, 634

Lampert, H. Ergebnisse tetischen Therapie, 710 Ergebnisse der Physikalisch-Diä-Physikalische Therapie, 445

Larsell, O. Neuroanatomy and the Sense Organs, 247

Life, Beginning of, 518 Long, P. H. Clinical and Experimental Use of Sulfanilamide and Compounds, 634

MacKee, G. M. X-Ray and Radium Treatment of Skin Diseases, 181

Manipulations, of Joints, 246 Manipulation, Treatment by, 710 Manual for Diabetic Patients, 770.

Manual for Diabetic Patients, 770.
Massage, A Practical Guide to, 54
Massage, Technik der, 117
Mayer, E. G. Normalisierte Roentgenaufnahmen, 711
McCrae, T. Principles and Practice of Medicine,

117 McCurdy, J. H. The Physiology of Exercise, 310

Medicine, General Year Book (1938) 118 Medicine, Internal, Fundamentals of, 183

Medicine, Landmarks, 247

Medicine, Principles and Practice, 117

Mennell, J. The Science and Art of Joint Manipulation, 246

Mental Illness, Occupational Treatment of, 56 Merritt, R. H. From Captivity to Fame, 55 Miller, J. A. Landmarks in Medicine, 247 Monmsen, F. Orthopädie und Kinderlähmung,

Morrison, W. W. Diseases of the Nose, Throat and Ear, 375 Morton, D. J. Oh Doctor, My Feet, 245 Myer, J. S. Life and Letters of Dr. Wm. Beau-

mont, 709 Myers, L. M. Electron Optics, 711

Neegard, K. Die Katarrh-Infektion, 585 Neoussikine, B. Electrodiagnostik, 309 Neuro-Anatomy, Text Book, 247 Northrop, J. H. Crystalline Enzymes, 584

Obstetrics and Gynecology, Year Book (1938),

374

Optics, Electron, 711 Orthopedics: Orthopädie und Kinderlähmung,

Otorhinologic Diseases, 375

Pathology, Essentials of, 54
Pathology, Human, 55
Pelotherapy, Moore, Schlamme, Erden, 373
Phelps, W. L. Autobiography with Letters, 586
Physical Medicine, Year Book (1938), 633
Physical Therapy, Handbook of, 769.
Physical Therapy, Physikalische Therapie, 445
Physical Therapy, Physikalische Therapie, 445

Physiology, Synopsis of, 54 Proceedings of International Congress on Rheu-

matism, 119

Raab, E. Künstliche Fiebererzeugung mit Kurzwellen, 446
Radiation, Infra-red, 373
Rappleye, W. C. Encephalitis, 585
Rathbone, J. L. Corrective Physical Education,

447

Recreation, Survey of, 246 Refraction of the Eye, 520 Reimann, H. A. Treatment in General Medicine,

Rheumatism, Behandlung Rheumatischer Erkrankungen, 245

Rheumatism, Chronic, 118 Rheumatism, Diseases, 182 Rheumatism, Congress Proceedings on, 119 Roberts, W. E. Surface Anatomy, 711

Roentgen, Radium Therapy, 56

Roentgen, Radium Therapy, 56
Roentgenography, Anordnung der normalisierten
Roentgenaufnahmen, 711
Rosen, G. Jacob Henle: On Miasmata and Contagia, 374
Russell, J. I. The Occupational Treatment of
Mental Illness, 56

Sansum, W. D., et al. Manual for Diabetic Patients, 770.

Schliephake, E. Behandlung Rheumatischer Er-

310 Short, A. R. A Synopsis of Physiology, 54

Skin Diseases, 311 Smith, L. W. Essentials of Pathology, 54 Smith, L. W. Essentials of Patho Smith, S. C. Heart Patients, 711

Soper, H. W. Clinical Gastroenterology, 584 Spicer, F. W. Trauma and Internal Diseases, 446

Sports, for Handicapped, 446

Squint, Worth's, 447 Stafford, G. T. Sports for the Handicapped, 446 Storck, H. Hoffa-Gocht Technik der Massage,

Sulfanilamide, Clinical Use of, 634 Surgery, Year Book (1938), 119

Technic, Surgical, 519

Terry, G. C. Fever and Psychoses, 445 Therapy, Endocrine, 182

Therapy, Physical, 181 Therapy, Physical, Ergebnisse der Physikalisch-Diätetischen Therapie, 710

Therapy, Radium Beam, 183
Therapy, Short Wave, 184
Thorek, M. Modern Surgical Technic, 519
Thorington, J. Refraction of the Human Eye, 520
Todd, A. J. The Chicago Recreation Survey, 246
Togna, T. R. 583
Trauma and Internal Diseases, 446
Treatment in General Medicine, 700

Treatment in General Medicine, 709 Tumors, Malignant, Musculoarticular, 183 Vitamins, Biologic Standardization, 118

Waddington, J. E. G. Physical Therapy, 181 Waters, C. A., and Kaplan, I. I. The 1939 Year Book of Radiology, 770.

Waves, Ondes Electromagnetiques, 309 Wilson, P. D. Experience in the Management of

Fractures and Dislocations, 311 Wood, C. A. P. Report on Radium Beam Ther-apy Research, 183

X-Ray and Radium Treatment, 181 X-Ray Therapy, Atlas of, 712

Yater, W. M. The Fundamentals of International Medicine, 183
Year Book of Radiology, 770.
Young, F. B. Doctor Bradley Remembers, 53 The Fundamentals of Internal

Zinsser, H. Immunity, Principles and Application in Medicine 375

CANCER: Cutaneous, Diagnosis and Treatment

[Bechet] 122—ab Of Cervix, Diagnosis and Therapy [Hofmann]

Of Head and Neck [Kime] *282 Of Pharynx and Larynx, Treatment of [Colledge] 188—ab

Refrigeration Therapy in, 511—E CIRCULATION: Re-establishment of, in Ex-

tremities [Kountz] *157
CIRCULATORY AFFECTIONS: Spa Treatment of [Bain] 124—ab
CLIMATOTHERAPY: In Upper Respiratory
Infection [Gellenthien] *420

Hypersensitiveness to [Horton and

Roth] 636—ab
COLON: Disease, Relation to Chronic Arthritis
[Fishbaugh] *411

Therapy, Rational [Worster] *417 CONGRESS: 18th Annual Session, 437—E Educational Opportunities of, 512—E Impressions of New York Convention, 573—E Southeastern Section Meeting, 367—E

CURRENTS: Alternating, Effect on Excitability [Reboul and Rosenblueth] 522-

D

DEFORMITY: Spinal Gymnastics in [Storck]

DEMENTIA PARALYTICA: Combined Fever and Chemotherapy of Fechner and Cash] *620 RMATITIS: Venenata, [Bennett, Nielsen,

DERMATITIS: [Leece] 59—ab Hydrotherapy of

And Melanosis Due to Photosensitization [Foerster and Schwartz] 587—ab
DERMATOLOGY: Furunculosis, Physical Therapy in [Meyer] 589—ab
Dermatophytosis, Ultraviolet and X-Ray Treat-

ment of [Hazel and Brundage] 251-ab

DIABETES: Hypophysial [Zondek and Kaatz] 450-ab

DIATHERMY (SHORT WAVE): Action on Endocrine Glands [Terre] 315-ab

As Physical Diagnostic Means [Liebesny] *687 Dosage Measurement in Therapy [Kowar-schik] *208 Effect on Animal Testis [Schwartz] 58-ab

Epilation [Derow] *101

In Chronic Prostatitis [Hibbs] *533

In Industrial Rehabilitation [Krusen] 123—ab In Pulmonary Empyema [Dieker] 377—ab In Pyogenic Infections of Head and Neck

In Pyogenic [Egan] *331

In Rheumatism [Johansen] 713—ab Low Intensity Therapy [Dalton] 58—ab

[Mayer] 314—ab Pharmacology of [Hildebrandt] 523—ab Physical and Biologic Effects of [Hemingway]

Present Status of [Kovács] *559 Problem of Interference With Radio, 301-E Radio Interference With [Krusen, et al.] *261 Rationale of, in Acute Sinusitis [Jouard] *338 Regimentation of, 365—E

reatment in Gynecology [Guthmann and Reitz] 313—ab Treatment

DEATHS

Beclere, Antoine, 243 Bernhard, Oscar, 760. Cumberbatch, Elkin Percy, 238 King, Cora, 768. Leduc, Stephane, 300 Portuondo, Buenaventura H., 517 Vrtiak, Emil, 517

EDUCATION: Undergraduate, in Physical Therapy [Dail and Moor] *215
ELECTRODIAGNOSTICS: Advances in, 302—E
ELECTROLYSIS: For Superfluous Hair, 313—

ab

ELECTROSURGERY: Ball Tip Electrode for Vesical Tumors [Kramer] 451-ab Coagulation of Tonsils Producing Autovaccine

[Seltzer] 124-ab Conization of Cervix [Crossen and Wulff] 448-

ab Development of Transurethral Prostatectomy [Emmett] *473

Experiences With Prostatic Resection [Sisk] *473

For Ingrown Toe Nail [Vernon] 252—ab Hemorrhoidectomy [Arnheim] 185—ab In Proctology [Gorsch] 57—ab Intrapleural Pneumolysis [Matson] 522—ab

Keratitis, Vascular Obliteration for [Gunder-sen] 587—ab

Management of Bladder Neoplasms [Culver] *538

Status of Transurethral Prostatic Resection [Myers] *342 Resection [Rolnick] *485

Transurethral Prostatectomy [Thompson] 122 -ab

Prostatic Resection [Cook] 188-ab Treatment of Chronic Cervicitis [Black] *427 Pharyngeal and Laryngeal Carcinoma [Colledge] 188-ab

Tuberculous Tracheobronchitis, Treatment of

[Packard and Davidson] 122—ab EMBOLISM: Of Lung, Roentgen Diagnosis of [Westermark] 314—ab EMPYEMA: Pulmonary, Short Wave Diather-

my in [Dieker] 377-ab

EPILATION: Short Wave [Derow] *101 ESTROGEN THERAPY: And Photosensitivity

Lancaster] 715—ab RCISE: Infant, in Spinal Deformity EXERCISE: [Storck] 380-ab

Influence on Blood Pressure [Essex et al.] 716 -ab In Sympathectomized Cat [Hodes] 714-ab

Prophylactive and Corrective [Weiss and Behrend[*746 Value of, in Posture [Denniston] *220

EXERTION: Effect on Kidneys [Foster] 589-

EXHIBITS: Scientific of Congress, in New York, 306-E

EXTREMITIES: In Body Heat Dissipation [Sheard, Roth and Horton] *133

FEVER THERAPY: See Hyperpyrexia.

FICTION: The Doctor in, 47—E FITNESS: Physiologic Approach to [Catheart] 121-ab

FOOT TROUBLES: A Neglected Field, 239—E FRACTURES: Of Hip, in Aged [Brundage and

Ewerhardt | *29 Conservative Treatment of Os Calcis,

[Pretty] 652—ab hysical Therapy of, by Unpadded Casts [Kap-Physical lan] *397

Treatment of [Eliason] 249-ab

GALVANISM: Of Bronchial Strictures [Kernan and Baker] *739

Salivary Influence on [Solomon] 251-ab GAMMA RAYS: Therapy, Technic and Dosage

of [Strandqvist] 316—ab NGRENE: Gas, Roentgenotherapy of [Kelly and Dowell] *88 GANGRENE:

GASTROSPASM: In Pancreatic Disease [Lüdin | 316-ab GONOCOCCUS: Thermal Death Time of [Car-

penter, et al.] 124—ab GONORRHEA: In the Male [Caulk] 60—ab

Resisting Sulfanilamide, Hyperpyrexia Owens, et al.] 187-ab Today [Parsons] 636—ab GYNECOLOGY: Cervica

Cervical Cancer, Diagnosis and Treatment [Hofmann] *695 Cervicitis, Chronic, Treatment of [Black] *427

Choline Iontophoresis of Pelvic Inflammation [Jacoby] 380—ab, 716—ab Conization of Cervix [Crossen and Wulff] 448-

ab Elliott Treatment of Pelvic Inflammation [Wil-

liams] 252—ab elvic Inflammation, Elliott Treatment of Pelvic. [Smith] 379-ab Short Wave Treatment in [Guthmann and

Reitz] 313-ab Vaginal Treatment by Superheated Air [Falls,

Newman and Kobak] *661

HEALTH RESORTS: American, and the Profession, 175-E

HEARING AID: Problem, Status of [Newhart] *269

Cause of Urticaria [Hopkins, et al.] HEAT: 524-ab

Of Body, Role of Extremities in Its Dissipa-tion [Sheard, Roth and Horton] *133 HIGH FREQUENCY: Field, Rise of Tissue

Temperature in [Taylor] 59-ab

HIGH TEMPERATURE: Effect on Workmen [McLain and Montgomery] 121-ab Variations, in Response to [McCance] 185-ab

HISTAMINE: Liberation and Radiation, Tissue Injury by [Keleaway, et al.] 380-ab

HOSPITALS: State, Planning for [Bowen] 590 -ab

Convalescent, Planning of [Brincker] 448-ab HYDROTHERAPY: In Dermatitis Venenata

[Leece] 59-ab HYPEREMIA: Passive, for Peripheral Vascular Disease [Harpuder and Stein] *9

PERPYREXIA: And Antiserum, Effect on Meningitis [Shaffer, et al.] 57—ab HYPERPYREXIA:

And Chemotherapy, in Dementia Paralytica [Bennett, Nielsen, Fechner and Cash] *620 In Neurosyphilis [Adams] 523—ab [Bennett and Lewis] 186-ab

And Local Heating for Gonorrhea [Krusen, et al.] 57-ab

Biologic Effects of [Pijoan] *170 By Physical Means [Phillips] *504

Clinical Results of [Elkins and Krusen] *346 Effect on Blood Sulfanilamide Level [Lewis and Gunderson] *432

Effect on Urea, in Rheumatism [Farr and Moen] 313-ab

Electrolyte Balances in [Bassett and Warren] 713-ab

For Wassermann-Fast Syphilis [Howles] *149 In Acute Rheumatic Disease [Simmons and Dunn] *547

In Sulfanilamide-Resistant Genorrhea [Owens, et al.] 451-ab

Intraocular Tension in [Ernsting] 249-ab In Treatment of Syphilis [Kotkis] 523-ab Investigations in [Krusen and Elkins] *77 Low Temperature Technic of [Cook] 544

New Experimental Data [Bessemans] 185-ab Physiologic Considerations of [Schmitt] *227 Polycythemia of [Palitz] 522-ab

Portable Electric Thermometer for [Bishop] 186-ab

Present Status of [Hall] 252-ab

Prevention and Treatment of Neurosyphilis [Rosanoff] 122-ab

Rationality as a Therapeutic Agent [Snow] 378 -ab

Technic in Syphilis and Gonococcic Infection [Kendell, Rose and Simpson] *614 Therapy [Bromberg] 449-ab

Value in Resisting Sulfanilamide [Owens, et al.] 187-ab

I

INDEX: The Significance of, 765-E.

INFECTIONS: Acute, of Extremities, Immobilization for [Wangensteen] 58-ab

Focal, and Treatment of Sinusitis [Fletcher] 33-ab

Gonococcic, Fever Therapy of [Kendell, Rose and Simpson| *614

Otolaryngologic, Roentgenotherapy of [Tyler] * 201

Pyogenic, of Head and Neck, Short Wave Treatment [Egan] 331

Upper Respiratory, Climatotherapy of [Gellenthien] *420

INFLAMMATION: Pelvic, Choline Iontophoresis in [Jacoby] 380—ab, 716—ab
Elliott Treatment of [Smith] 379—ab

[Williams] 252—ab Superheated Treatment [Falls, Newman and Kobakl *661

Roentgenotherapy of [Leddy] *85 INFRA-RED: Photography, of Vascular Tumors [Ronchese] *354 IONTOPHORESIS: And Thrombophelibitis [Sokolov and Myers] 635—ab In Arthritis and Vascular Disease [Kiel] 451—

Indications and Technic of [Baker] *197 In Laryngeal Tuberculosis [Cotton - Cornwall] 187-ab

In Ophthalmology [Erlanger] *16

Of Choline Compounds, in Pelvic Inflammation [Jacoby] 716—ab

KERATITIS: Vascular Obliteration for [Gundersen 587-ab

LAMP: Bactericidal, Thin-Window [Fisher] 380 -ab

LIGHT: Factors in Photosynthesis [Smith] 188 -ab

Sensitivity to, and Porphyrin in Urine [McFarland and Strain 185-ab

MANIPULATION: In Low Back Cases [Hummon] *224

MASSAGE: Clinical Application of [Cyriax]

652-ab

MOLES: And Warts [Reuter] 521-ab

MUSCLE: Contraction Related to Force and
Speed [Katz] 652-ab

Chronic, Lumbar [Shorbe] *102

NEPHRITIS: Thermotherapy of [Stark] *94 NERVE EXCITATION: By High Frequency

Current [Katz] 635—ab NEUROFIBROMATOSIS: Cranial Changes in

[Rosendal] 314—ab NEUROSYPHILIS: Chemotherapy and Hyperpyrexia in [Adams] 523-ab

Prevention and Treatment by Hyperpyrexia and Chemotherapy [Bennett and Lewis] 186 -ab

Rosanoff 122-ab Treatment of [Epstein] 60—ab NEVI: Pigmented [Maliniac] 716—ab

OBESITY: Classification and Treatment of

[Fancher] 449—ab OCCUPATIONAL T [Merritt] 377—ab THERAPY: Modernized

OPHTHALMOLOGY: Keratitis, Vascular Obliteration for [Gundersen] 587-ab

Progress in [Meyer] 450—ab Retinal Detachment, Thermophore Treatment of [Post] 652-ab

Tuberculosis of Conjunctiva [McKenzie] 636 Ulcers, Corneal, Ultraviolet in [Linn] *402

OTOLOGY: Audiometer in [Mundt] *277 Deafness, Chronic Progressive [Shambaugh] 186-ab

OTOLARYNGOLOGY: Progress in [Wood] 50-ab

Tumors, Benign, of Larynx [Erisch] 187-ab

P

- PAIN: Low Back, Manipulation in [Hummon] *224
- Pathogenesis of [Compere] 250-ab Of Shoulders [Carlson] 250-ab
- PARALYSIS: Facial, Correction of [Halle] 122
 - Infantile, After-Care of [Carr] *236
- PEMPHIGUS: Control of, by Vitamin D [King and Hamilton | 522-ab
- PERITONITIS: Tuberculous [Stubenbord and Spies | 379-ab
- PHOTOSENSITIVITY: And Estrogen Therapy [Lancaster] 715-ab
- PHYSICAL DIAGNOSIS: New Means of [Liebesny] *687
- PHYSICAL THERAPY: And Occupational Therapy: Standards in Hospital [MacEach-ern] *753
 - Development of [Schmidt] *605
 - Economic Aspects of [Kovács et al] *107 Education in, Status of [Andersen] *609
- Hospital Standardization of 631—ab In Furunculosis [Meyer] 589—ab Of Fractures, by Unpadded Casts [Kaplan] * 307
- Postgraduate Instruction in, 438-E
- The Destiny of, 761-E
- Undergraduate Education in [Dail and Moor] *215
- War and 629-E
- PHYSICAL WORK: Sedimentation of Erythrocytes in [Deist] 449-ab
- PITYRIASIS: Rosea [Curtis] 314-ab
- PLAY: Psychic Importance of, in Children's Hospital [Smith] *361
- PNEUMOLYSIS: Intrapleural [Matson] 522 -ab
- POLYPS: Nasal, Radium for [Ford] *232
- POSTURE: Control by Exercise [Denniston] *220
- POTENTIAL: Electrical Distribution in Phantoms [Kolin and Woodbury] *7,32

R

- RADIATION: And Histamine Liberation, Tissue Injury by [Keleaway et al] 380-ab
- RADIO INTERFERENCE: By High Currents [Coulter, Bierman and quency Hansson] *598
- Controversy About 597-E RADIOTHERAPY: Surgeon's Observations on [Bowers] *567
- RADIUM: Postoperative Use of, for Nasal Polpys [Ford] *232 Surface Therapy, by Ointment [Eidinow] 448
- -ab REACTION: Galvanic, Vestibular [Shapiro]
 - Of Plasma Fibrinogen [Curtis] 587-ab
 - Skin, and General, After Ultraviolet and Sulfapyridine [Hallam] 713-ab
 - To Cold, as Hypersensitiveness [Horton and Roth | 636-ab
- REFRIGERATION THERAPY: In Cancer 511-E
- REGISTRY: American, of Physical Therapy Technicians *637

- REHABILITATION: In American Sanatoria [Hudson] 450-ab
- RESPIRATION: Artificial, Pulmonary Ventilation in [Standerwick] 315-ab
- RETINA: Detachment, The ment in [Langdon] 59-ab Thermophore
- RHEUMATISM: Acute, Fever Therapy in [Sim
 - mons and Dunn] *547 French League Against, 524—ab Short Wave in [Johansen] 713-ab
- ROENTGEN DIAGNOSIS: Of Broncho-stenosis [Westermark] 315—ab
- Of Primary Lung Tumors [Westermark] 315 -ab
- ROENTGENOTHERAPY: For Inflammatory
- Lesions [Leddy] *85 In Otolaryngologic Infections [Tyler] *294 Of Gas Gangrene [Kelly and Dowell] *88
- Of Endocrinopathies [Hutton] *287

- SCIATICA: Chronic, Recurrent [Adson] *325 Syndrome, M Smith] *494 Management of [Schmidt and
- SEMINAR: Instruction, of 18th Congress Session 306-E
- SESSION: Annual, and New York World's Fair 241-E
- SHOES: Observations on [Marlin] 251-ab
- SHOULDERS: Painful [Carlson] 250-ab
- SINUSES: Conservative Management of [Jervey | 714-ab
- SINUSITIS: Acute, Rational of Short Wave in [Jouard] *338
- SKIN: Delayed Photosensitization by Sulfanila-
- mide [Wax] 451-ab Diseases, Common Treatment of [Fox] 379-ab Tumors, Diagnosis and Treatment of [Thom-
- Tumors, Diagn son | 250—ab Warts and Moles [Reuter] 521-ab
- SPAS: Report on [McClellan] *42
- Treatment of Circulatory Disorders [Bain] 124 -ab
- STRAIN: Sacro-Iliac [Abel] 715-ab
- STRICTURE: Bronchial Galvanism in [Kernan] and Baker] *739
- SWEAT: As Fungicide [Peck et al] 713-ab
- SYNOVITIS: Villous, of Knee, Due to Im-Weight Distribution [Irish and proper Stump] *391
- SYPHILIS: And Gonococcic Infections, Fever Therapy of [Kendell, Rose and Simpson] *614
 - Fever Therapy of [Kotkis] 523-ab
 - Wassermann-fast, Hyperpyrexia for [Howles] *149

- TEMPERATURE: Bodily, Experimental Low-ering of [Troedsson] *501
- Unequal, Bodily Exposure to [More] 521-ab TETANUS: Followed by Vertebral Changes [Feistmann-Lutterbeck] 314-ab
- THANKSGIVING: 701-E
- THERMOTHERAPY: Elliott Therapy of Pelvic Inflammation [Williams] 252—ab Of Bright's Disease [Stark] *94
 - Paraffin Bath, Clinical Application of [Zeiter]

Thermophore Treatment of Retinal Detachment [Post] 652-ab

ROMBOPHLEBITIS: And Iontophoresis [Sokolov and Myers] 635—ab THROMBOPHLEBITIS:

TOE NAIL: Ingrown, Electrosurgery of [Vernon] 252-ab

TUBERCULOSIS: Gastrointestinal, Ultraviolet in [Coulter and Hardy] *143 Laryngeal, Relief of Pain [Cotton-Cornwall]

187-ab Of Bladder, Treatment of [Milliken] 249—ab Of Tendons and Bursae About Head [Potts]

714-ab Tracheobronchitis, Treatment of [Packard and Davidson] 122—ab Ulcerative Enterocolitis [Granet and Ornstein]

123-ab

TUMORS: Of Skin, Diagnosis and Treatment of [Thomson] 250-ab

Vascular, Infra-red Photography of [Ronchese]

Vesical, Electrosurgical Management of [Culver] *538

U

ULCER: Gastric, Vascular Spasm in [Nedzel]

ULTRAVIOLET: And Skin Sensitometry [Saidman] *673

And Sulfanilamide in Infection 45-E And Sulfapyridine, Reaction of [Hallam] 713

-ab And X-ray, for Dermatophytosis [Hazel and Brundage] 251—ab Burns, Skin Protection Against 113—E

Changes of Gold Curve in Fluids [Warren] 121

-ah Effect on Spores of Aspergillus Fungus [Zahl,

al.] 636—ab Tubercle Bacilli [Smithburn and Lavin] 588-ab

Upon Animal Septicemia [Nedzel and Pincussen] *5

In Corneal Ulcers [Linn] *402 In Gastrointestinal Tuberculosis [Coulter and Hardt] *143

Precision in Therapy 702-E

Results During Laparotomy [Mart] 316-ab Skin Protection Against [Bachem and Fantus] *69

OLOGY: Ball Tip Electrode for Vesical Tumors [Kramer] 451—ab UROLOGY:

Electrosurgical Management of Bladder Neo-plasms [Culver] *538 Hyperpyrexia in Sulfanilamide-resistant Gonor-

rhea [Owens et al] 451—ab Prostatitis, Chronic, Short Wave Diathermy in [Hibbs] *533

Resection of Prostate, Experiences with [Sisk] *473

Status of [Myers] *342

Transurethral Prostatectomy [Thompson] 122 -ab

Developments of [Emmett] *473 Prostatic Resection [Cook] 188—ab Resection, Status of [Rolnick] *485 Treatment of Vesical Tuberculosis [Milliken]

249-ab Value of Sitz Baths in [Ferguson] *508

URTICARIA: By Heat or Psychic Stimuli [Hopkins et al] 524—ab

VACATIONS: Medical Supervision of [Singer] 523-ab

VASCULAR DISEASE: And Arthritis, Ion-tophoresis in [Kiel] 451—ab Peripheral, Diagnostics of [Merrell] *162 Paraffin Bath in [Sedwitz] *16. Significance in Osteoarthritis [Kling] 715-ab

VITAMIN D: Control of Pemphigus [King and Hamilton] 522—ab

WARTS: And Moles [Reuter] 521-ab WATERS: Radioactive, Regulation of 522-ab WAVES: Hertzian, Treatment with [Everdingen] 313—ab

WEATHER: Relation to Health, 111-E.

XERODERMA: Pigmentosum, and Mental Deficiency [Silberstein] 59-ab

AUTHOR INDEX

In this Index are the names of the authors which have appeared in the Archives, the In this Index are the names of the authors which have appeared in the Archives, the names of those who have read papers before Societies as published in the Archives, the names of those who have discussed papers read before Societies as published in the Archives, and those whose articles have been abstracted in the Archives. The (*) preceding the page reference indicates that the article appeared in full in the Archives. The "C" following page reference indicates correspondence; "d" discussion. The "ab" following page reference indicates abstract. For subject index see page 772.

Abel, A. L., 715—ab Adams, F. M., 523—ab Adson, A. W., *325 Alyea, O. E., 341—d Andersen, O. N., *609 Anderson, W. T., Jr., 76—d Arnheim, E. E., 185—ab

Bachem, A., *69 Bain, C. W. C., 124—ab

Baker, D. C., Jr., *739
Baker, F., *107, 207—d
Baldes, E. J., 716—ab
Banyai, A. L., 147—d
Bassett, S. H., 713—ab
Bechet, P. E., 122—ab
Behrend, H. J., 174—d, *746
Bennett, A. E., 186—ab, *620
Bessemans, A., 185—ab
Bierman, W. 141—d, 172—d Bessemans, A., 185—ab Bierman, W., 141—d, 172—d, 218—d, *598, 692—d, 713 -ab Bishop, F. W., 186-ab

Black, W. T., *427 Blair, H. C., 587—ab Blonder, E. J., 41—d Bowen, L. R., 590—ab Bowers, D. D., *567 Boyd, D., *406 Boynton, B. L., 141—d Princker, J. A. H., 448-Brincker, J. A. H., 448– Bromberg, L., 449–ab Brookes, T. P., *29 Brooks, H. L., 235–d Brundage, C., 251–ab Brunner, H., 41–d Bryant, F. E., 280—d Burnap, N. S., 341—d

C

Capener, N., 121—ab
Carlson, C. E., 250—ab
Carr, F., *236
Carter, H. A., 276—d
Cash, P. T., *620
Cathcart, E. P., 121—ab
Coulk, J. R., 60—ab
Colledge, L., 188—ab
Compere, E. L., 250—ab
Cook, E. N., 188—ab
Cook, E. N., 188—ab
Cook, M. M., *544
Cope, V. Z., 589—ab
Cotton-Cornwall, V., 187—ab
Coulter, J. S., *143, 148—d, *598
Crossen, R. J., 448—ab
Culver, H., *538
Currence, J. D., 174—d, 292
—d
Curtis, F. C., 587—ab
Curtis, G. H., 314—ab
Cyriax, J. H., 652—ab

D

Dail, C. W., *215 Dalton, P. P., 58—ab Davidson, F. W., 122—ab Deist, H., 449—ab Denniston, H. D., *220, 224—d Derow, D., *101 Desjardins, A. U., *265 Dicker, W., 377—ab Doan, C. A., 521—ab Dowell, D. A., *88 Dunn, F. L., *547

E

Egan, W. J., *331, 341—d Eidinow, A., 448—ab Eliason, E. L., 249—ab Eliains, E. C., *77, *346 Emerson, R. S., *671 Emmett, J. L., *473 Enders, J. F., 57—ab Epstein, S. H., 60—ab Erich, J. B., 187—ab Erlanger, G., *16 Ernsting, H. C., 249—ab Essex, H. E., 716—ab Evans, J. R., 185—ab Everdingen, W. A. G., 313—ab Ewerhardt, F. H., *29, 223—d, 750—d

F

Falls, F. H., *661
Fancher, J. K., 449—ab
Fantus, B., *69
Farr, L. E., 313—ab
Fechner, A. H., *620
Feistmann-Lutterbeck, E.,
314—ab
Ferguson, C., *508
Fishbaugh, E. C., *411
Fisher, A., 380—ab
Fletcher, W., 58—ab

Foerster, H. R., 587—ab, 590—ab
Ford, W. A., *233, 248—d
Foster, G. S., 589—ab
Fouts, R. W., 292—d, 299—d
Fox, H., 379—ab

G

Galloway, T. C., 286—d Gellenthien, C. H., *420, 426 —d Ghormley, R. K., *725 Gilmore, J. H., 299—d Goldfain, E., *357, 415—d Gorin, M., 279—d, 341—d, 425 —d Gorsch, R. V., 57—ab Granet, E., 123—ab Gundersen, T., 587—ab Gunderson, M. F., *432 Guthmann, A., 313—ab

H

Hallam, R., 713—ab
Halle, M., 122—ab
Hall, L. T., 252—ab
Ham, F. H., 587—ab
Hamilton, C. M., 522—ab
Hansson, K. G., 224—d, *598,
751—d
Hardt, L. L., *143, 148—d
Harpuder, K., *9, 169—d, 693—d
Hart, D., 379—ab
Haskins, C. P., 636—ab
Hayden, A. A., 274—d, 280—d
Hazel, O. G., 251—ab, 524—ab
Hemingway, A., *24
Herrick, J. F., 716—ab
Hertzman, A. B., 588—ab
Hess, E., 155—d
Hibbs, D. K., *533
Hodes, R., 714—ab
Hofmann, W., *695
Holden, H. F., 380—ab
Hopkins, J. G., 524—ab
Horton, B. T., 636—ab
Howles, J. K., *149
Huddleston, O. L., 556—d
Hudson, H., 450—ab
Hummon, I. F., Jr., *224
Hutton, J. H., *287, 293—d

I

Irish, W. H., *391 Ishmael, W. K., 555—d

J

Jacoby, A., 380—ab, 716—ab Jervey, J. W., 714—ab Johansen, A. H., 713—ab Jouard, F., *338, 341—d

K

Kaatz, A., 450—ab Kaplan, L., *397 Katz, B., 635—ab, 652—ab Keleaway, C. H., 380—ab Kelly, J. F., *88 Kendell, H. W., *614 Kernan, J. D., *739
Kesten, B. M., 524—ab
Keutmann, E. H., 713—ab
Kiel, O. B., 451—ab
Kime, E. N., *282, 287—d,
571—d
King, B. G., 315—ab
King, H., 522—ab
Kling, D. H., 715—ab
Kobak, D., *487, 492—d, 537
—d, *661, 669—d, 692—d
Kolin, K., *732
Koller, L. R., 636—ab
Kotkis, A. J., 523—ab
Kountz, W. B., *157, 180—d
Kovács, R., 207—d, *559, 693
—d, 758—d
Kowarschik, J., *208
Kramer, S. T., 451—ab
Krusen, F. H., 57—ab, *77,
123—ab, 141—d, 219—d,
*262, *346

L

Lancaster, A. H., 715—ab Langdon, H. M., 59—ab Lavin, G. I., 588—ab Leddy, E. T., *85 Leece, R. H., 59—ab Lewis, M. D., 186—ab, 187 —ab, *432, 451—ab Liebesny, P., *687, 694—d Liefer, W., 713—ab Linn, E. G., *402 Lüdin, M., 316—ab Lyford, G., 670—d

M

MacEachern, M. T., *264, *753
Maliniac, J. W., 716—ab
Mann, F. C., 716—ab
Marin, A., 378—ab
Markson, D. E., *406
Marlin, T., 251—ab
Mart, T., 316—ab
Mathis, A. W., *266
Matson, R. C., 522—ab
Mayer, J., 314—ab
McCance, R. A., 185—ab
McClennan, W. S., *42
McFarland, A. R., 185—ab
McGuinness, M. C. L., 169
—d, 669—d
McIlhenny, P. A., 250—ab
McKenzie, W. H., 636—ab
McLain, P. L., 121—ab
Merrell, P., *162, 180—d
Merritt, M. E., 377—ab
Meyer, J., 589—ab
Meyer, S. J., 450—ab
Milliken, L. F., 249—ab
Moon, J. K., 313—ab
Montgomery, E., S., 121—ab
Moor, F. B., 76—d, *215
More, C. W., 521—ab
Mundt, G. H., *277, 281—d
Myers, M. P., 635—ab

N

Nedzel, A. J., *5, *683 New, G. B., 187—ab

Newhart, H., *269, 276-d, 281-d Newman, L. B., *661, 670—d Nicholson, J. T., 750—d Nielsen, J. C., *620 Novak, F. J., 276—d

Oldberg, S., 316—ab Ornstein, F., 123—ab Osborne, S. L., *406 Owens, C. A., 187—ab, 451 -ab

P

Packard, J. S., 122—ab Palitz, L. L., 522—ab Parsons, R. P., 636—ab Peck, S. M., 713—ab Phillips, K. Phillips, K., 173-d, *504, Phillips, K., 173—d, * 557—d
Pijoan, M., *170, 173—d
Pincussen, L., *5
Plaut, H. F., 235—d
Polmer, N., 694—d
Post, L. T., 652—ab
Potts, F. N., 714—ab
Pretty, H. G., 652—ab

Randall, L. M., 57—ab Reboul, J., 522—ab Reitz, M., 313—ab Reuter, M. J., 521—ab Roblee, M. A., 431—d Rolnick, H. C., *485 Ronchese, F., *354 Rosanoff, A. J., 122—ab Rose, D. L., *614 Rosenblueth, A., 522—ab Rosendal, T., 314—ab Rosenfeld, H., 713—ab Roth, G. M., *133, 636—ab Roth, P., 472—d Rowe, A. H., 378—ab

Saidman, J., *673 Saugman, A., 316—ab Scal, J. C., 235—d Schier, W. W., 315—ab Schillinger, R., 235-d Schmidt, W. H., 218-d, *494, *605 Schmitt, M. G., *227, 558-d Schwartz, A. M., 58-ab

Schwartz, L., 587-ab, 590 -ab Sedwitz, S. H., *165, 180-d Seltzer, A. P., 124—ab Shaffer, M. F., 57—ab Shambaugh, G. E., Jr., 186

-ab Shapiro, S. L., *35, 42—d Sheard, C., *133, 142—d Sherman, W. L., 480—d

Shorbe, H. B., *102 Snorbe, H. B., *102 Silberstein, A. G., 59—ab Simmons, E. E., *547 Simpson, W. M., *614 Singer, C. I., 523—ab Sisk, I. R., *481 Smith, A. M., *361 Smith, E. C. 370—ab Smith, E. C., 379-ab Smith, E. L., 188-ab

Smith, J. L., *494 Smithburn, K. C., 588-ab Snow, W. B., 378-ab Sokolov, R. A., 635-ab Solomon, W., 492-d, 555-d Spies, J., 379-ab

Stadiem, L., 156-d Standerwick, H. F., 315—ab Stark, G. W., *94 Stecher, R. M., 553—d

Stein, I. D., *9 Steinman, J. F., 315—ab Storck, H., 380—ab Strain, W. H., 185—ab Strandqvist, M., 316-ab

Stubenbord, J. G., 379-ab Stuhler, L. G., 57-ab Stump, J. P., *391

Swartz, E. O., 517-d

Takats, de, G., 168—d Taylor, H. J., 59—ab Terre, C., 315-ab Thompson, G. J., 122-ab

Thomson, S., 250-ab Thomson, S., 250—ab Thorne, J. I., 341—d Thornton, B. T., *133 Titus, N. E., 340—d, 536—d Torbett, J. W., 419—d Traut, E. F., 360—d Trethewie, E. R., 380—ab Troedsson, B. S., 410—d, *501 Tyler, A. F., *294

Uthoff, C. J., 100-d

Vernon, S., 252-ab Vrtiak, E. G., *487

W
Waddington, J. E. G., 242—c
Wahrer, F. L., 339—d
Wangensteen, O. H., 58—ab
Warren, J., 121—ab
Warren, S. L., 713—ab
Wax, W. V., 451—ab
Weinstein, A., 635—ab
Weisman, M., 147—d
Weiss, J., *746, 752—d
Westermark, N., 314—ab, 315
—ab, 315—ab
Wilhelm, S. F., 58—ab
Williams, G. A., 252—ab
Willmoth, A. D., 287—d
Wilson, J., 57—ab
Wilson, S. J., 521—ab
Wilson, S. J., 521—ab
Wilson, S. J., 521—ab
Wood, G. B., 59—ab
Woodbury, F. T., *732
Worster, W. W., *417
Wright, J., 141—d, 752—d
Wright, W. D., 187—ab, 451
—ab

-ab Wulff, G. J. L., 448-ab

Yaglou, C. P., 57-ab

Zahl, P. A., 636—ab Zeiter, W. J., 156—d, *469 Zondek, H., 450—ab

INDEX TO PAGES

Of the Journal, According to Monthly Issues - Volume XX, January - December, 1939

Pages	No. Month	Pages	No. Month
1- 64	1January	385 - 464	7July
65 - 128	2 February	465 - 528	8August
129 - 192	3March	529 - 592	9September
193 - 256	4April	593 - 656	10October
257 - 320	5 May	657 - 720	11November
321 - 384	6June	721 - 784	12 December

